

# Comparisons of Job Characteristics

**Focus Occupation:** [First-Line Supervisors of Mechanics, Installers, and Repairers \(49-1011\)](#)  
**Associated Occupation:** [Electrical and Electronics Repairers, Commercial and Industrial Equipment \(49-2094\)](#)

[Compare Knowledge](#)  
[Compare Skills](#)  
[Compare Abilities](#)  
[Compare Detailed Work Activities](#)  
[Compare Tools and Technologies](#)

<<	Focus occupation element is much lower
<	Focus occupation element is lower
0	Focus occupation element is at a similar level
>	Focus occupation element is at a higher level
>>	Focus occupation element is at a much higher level

## Knowledge

Similarity of Focus Occupation to Associated Occupation: 66

**Focus Occupation:** First-Line Supervisors of Mechanics, Installers, and Repairers (49-1011)

**Associated Occupation:** Electrical and Electronics Repairers, Commercial and Industrial Equipment (49-2094)

Associated Occupation's Key Knowledge Elements	Average Rating, All Occupations	Associated Occupation's Rating	Focus Occupation's Rating		Evaluation of Focus Occupation
Computers and Electronics	8.4	17.5	10.9	<<	Extensive education and/or training may be required
Mechanical	6.8	16.4	19.8	>>	Current knowledge level is likely more than sufficient
Engineering and Technology	5.7	11.7	12.2	0	Current knowledge level may be sufficient
Design	5.2	9.6	9.1	0	Current knowledge level may be sufficient
Telecommunications	3.9	6.9	7.3	0	Current knowledge level may be sufficient

The maximum possible rating is 25.

Source: Alaska Department of Labor and Workforce Development, Research and Analysis Section analysis of O\*NET (Occupation Information Network) data.

## Skills

Similarity of Focus Occupation to Associated Occupation: 19

**Focus Occupation:** First-Line Supervisors of Mechanics, Installers, and Repairers (49-1011)

**Associated Occupation:** Electrical and Electronics Repairers, Commercial and Industrial Equipment (49-2094)

Associated Occupation's Key Skills Elements	Average Rating, All Occupations	Associated Occupation's Rating	Focus Occupation's Rating		Evaluation of Focus Occupation
Quality Control Analysis	5.9	13.3	11.6	<	A higher skill level may be required
Repairing	3.4	13.3	10.0	<<	Extensive development of skills in this area may be required
Operation Monitoring	6.6	12.6	10.1	<	A higher skill level may be required
Troubleshooting	4.5	12.0	10.4	<	A higher skill level may be required
Equipment Maintenance	3.5	11.1	10.1	0	Current skill level may be sufficient
Equipment Selection	3.3	10.5	7.5	<<	Extensive development of skills in this area may be required
Installation	1.7	9.3	3.4	<<	Extensive development of skills in this area may be required

Technology Design	2.6	6.3	2.9	<<	Extensive development of skills in this area may be required
-------------------	-----	-----	-----	----	--

The maximum possible rating is 25.

Source: Alaska Department of Labor and Workforce Development, Research and Analysis Section analysis of O\*NET (Occupation Information Network) data.

Abilities		Similarity of Focus Occupation to Associated Occupation: 81			
Focus Occupation: First-Line Supervisors of Mechanics, Installers, and Repairers (49-1011) Associated Occupation: Electrical and Electronics Repairers, Commercial and Industrial Equipment (49-2094)					
Associated Occupation's Key Abilities Elements	Average Rating, All Occupations	Associated Occupation's Rating	Focus Occupation's Rating	Evaluation of Focus Occupation	
Finger Dexterity	7.6	12.9	9.2	<<	Extensive improvement in abilities may be required
Category Flexibility	9.0	11.9	10.6	<	Some improvement in abilities may be required
Manual Dexterity	6.5	11.2	7.7	<<	Extensive improvement in abilities may be required
Flexibility of Closure	7.8	11.0	10.3	0	Current ability level may be sufficient
Perceptual Speed	7.4	10.7	9.4	<	Some improvement in abilities may be required
Visual Color Discrimination	6.4	10.6	9.1	<	Some improvement in abilities may be required
Hearing Sensitivity	5.6	9.3	9.7	0	Current ability level may be sufficient
Speed of Closure	5.9	8.8	9.1	0	Current ability level may be sufficient

The maximum possible rating is 25.

Source: Alaska Department of Labor and Workforce Development, Research and Analysis Section analysis of O\*NET (Occupation Information Network) data.

Activities that Both Occupations Have in Common		Similarity of Focus Occupation to Associated Occupation: 62
Focus Occupation: First-Line Supervisors of Mechanics, Installers, and Repairers (49-1011) Associated Occupation: Electrical and Electronics Repairers, Commercial and Industrial Equipment (49-2094)		
Work Activities	Exclusivity of Activity	
Confer with engineering, technical or manufacturing personnel	25	
Determine installation, service, or repair needed	58	
Read blueprints	10	
Read schematics	34	
Read technical drawings	7	
Read work order, instructions, formulas, or processing charts	9	
Understand service or repair manuals	40	
Understand technical operating, service or repair manuals	6	

Not all positions in these occupations will necessarily perform all of the listed activities. The exclusivity rating is an indication of how unique the activity is amongst all occupations. The maximum rating is 100. High scores indicate that only a small number of occupations engage in that activity.

Source: Alaska Department of Labor and Workforce Development, Research and Analysis Section analysis of O\*NET (Occupation Information Network) data.

## Tools and Technologies that Both Occupations Have in Common

Similarity of Focus  
Occupation to Associated  
Occupation: 88

**Focus Occupation: First-Line Supervisors of Mechanics, Installers, and Repairers (49-1011)**

**Associated Occupation: Electrical and Electronics Repairers, Commercial and Industrial Equipment (49-2094)**

Tools and Technologies	Exclusivity
Business function specific software	1
Computer printers	2
Computers	1
Content authoring and editing software	1
Data management and query software	1
Finance accounting and enterprise resource planning ERP software	2
Industry specific software	1
Information exchange software	1
Integrated circuits	18
Network applications software	1
Personal communication devices	2

Not all positions in these occupations will necessarily use all of the listed tools and technologies. The exclusivity rating is an indication of how unique the tool or technology is amongst all occupations. The maximum rating is 100. High scores indicate that only a small number of occupations use that tool or technology.

Source: Alaska Department of Labor and Workforce Development, Research and Analysis Section analysis of O\*NET (Occupation Information Network) data.